

45. (New) The sustained culture of claim 44 wherein the avian stromal cells are gonadal cells.
46. (New) The sustained culture of claim 44 wherein the avian stromal cells are genital ridge cells.
47. (New) The sustained culture of claim 44 wherein the preconditioned feeder matrix is derived from avian gonadal cells.
48. (New) The sustained culture of claim 44 wherein the preconditioned feeder matrix is derived from avian genital ridge cells.
49. (New) The sustained culture of claim 47 wherein the avian gonadal cells are derived from an avian embryo later than stage 14 (H&H).
50. (New) The sustained culture of claim 48 wherein the avian genital ridge cells are derived from an embryo later than stage 14 (H&H).
51. (New) The sustained culture of claim 44 wherein the conditioned media is BRL conditioned media.
52. (New) The sustained culture of claim 44 wherein the conditioned media is further comprised of a supplemental growth factor selected from the group consisting of leukemia inhibitory factor (LIF), insulin-like growth factor (IGF), fibroblast growth factor (FGF), basic fibroblast growth factor (bFGF), stromal cell factor (SCF), steel factor (SF), transforming growth factor- β 1 (TGF- β 1), and anti-retinoic acid.
53. (New) The sustained culture of claim 44 wherein the embryonic stem cell phenotype is sustained for at least one month.

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